USDA NRCS Natural Resources Conservation Service

Technical Support Topic:
Collecting GPS data with FieldWorker on Cassiopeia PDA

Iowa Geospatial Technologies Support

TOPIC ID: **0003**

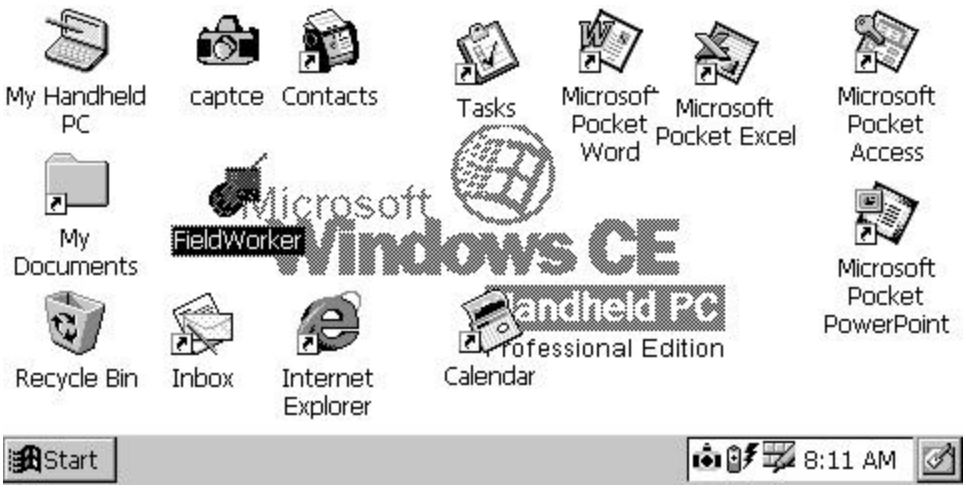
Software: **FieldWorker**
Platforms: **Windows CE** 2.11 (Casio Cassiopeia PDA)

Description

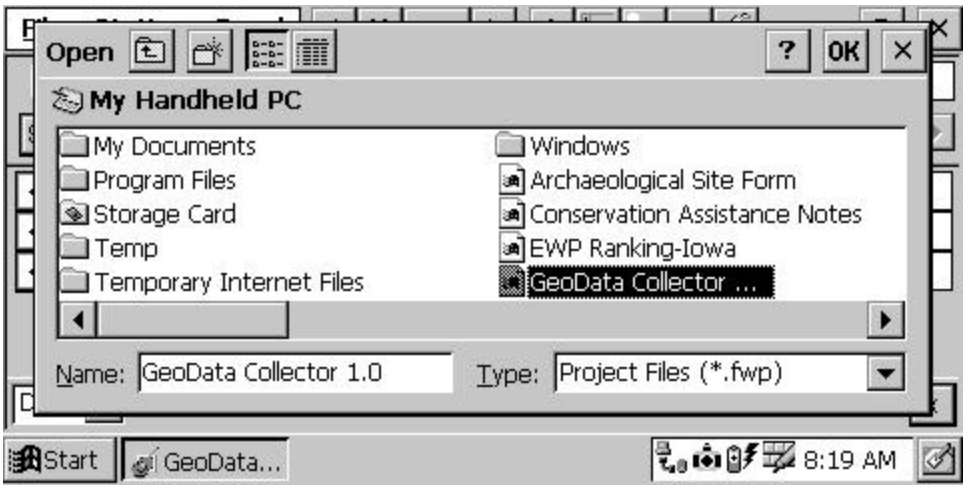
Instructions on collecting point, line and polygon (area) features using a GPS and FieldWorker on the Casio Cassiopeia (Windows CE) platform.

Instructions

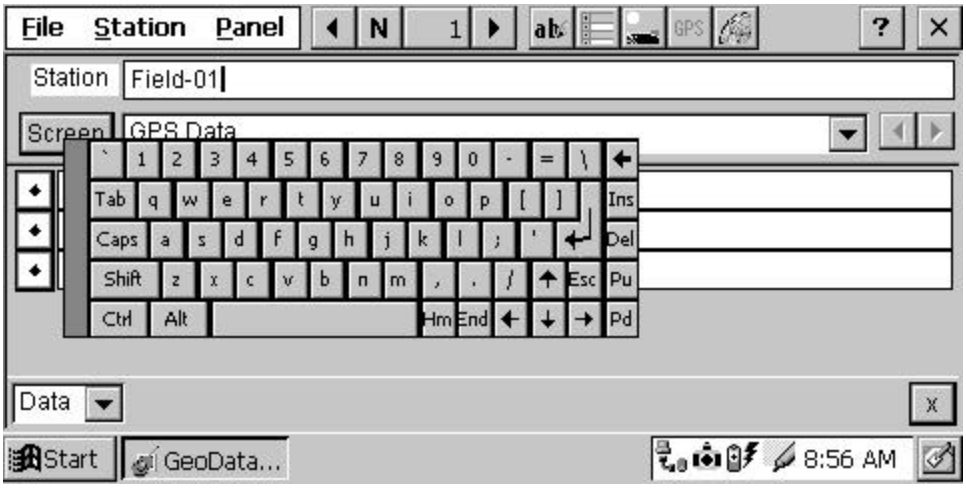
1) Open FieldWorker on the Cassiopeia PDA by double-tapping the FieldWorker icon.



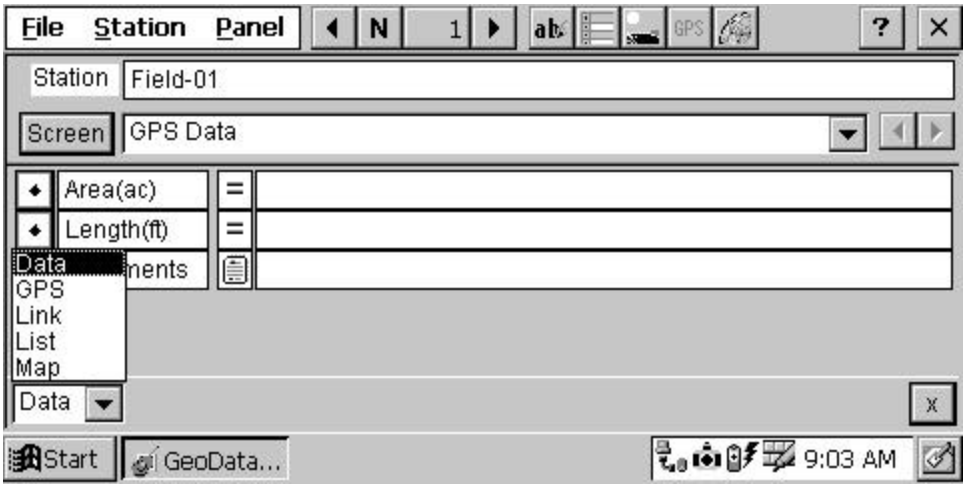
2) Open the Geodata Collector Project by selecting File>Open>Geodata Collector and OK.



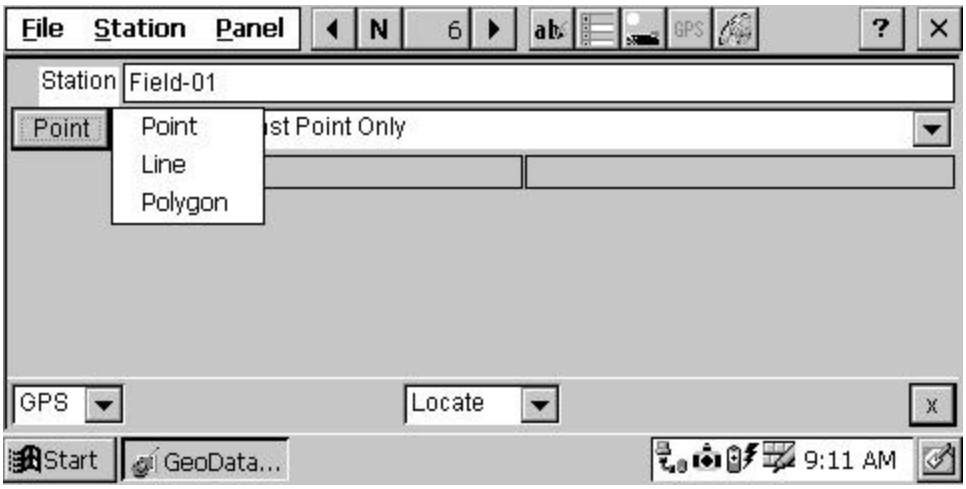
3) Enter a unique site name in the Station box.



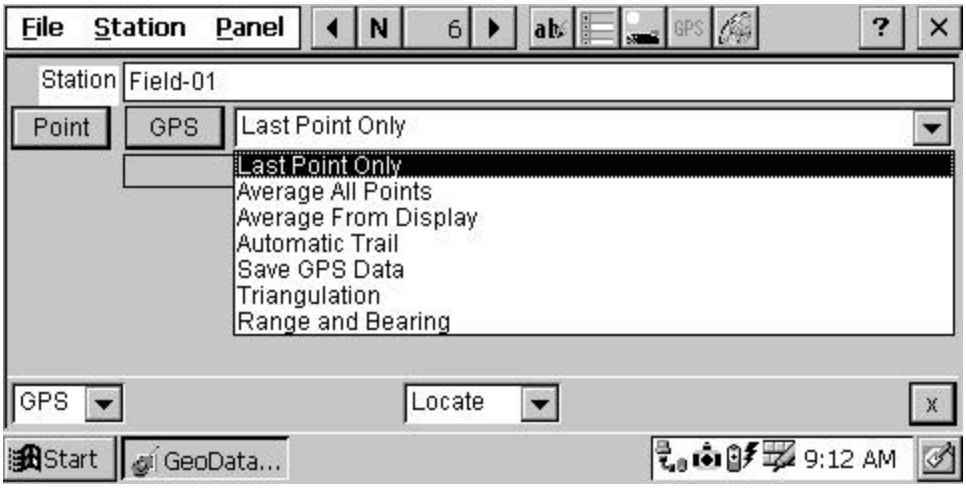
4) Tap the menu in the lower left corner of the screen and choose GPS.



5) Select the type of feature to be collected: point, line, or polygon (area).



6) Select a GPS option from the GPS pull-down menu.



Last Point Only: *When speed is important and the accuracy of a single reading from your GPS receiver is acceptable*.

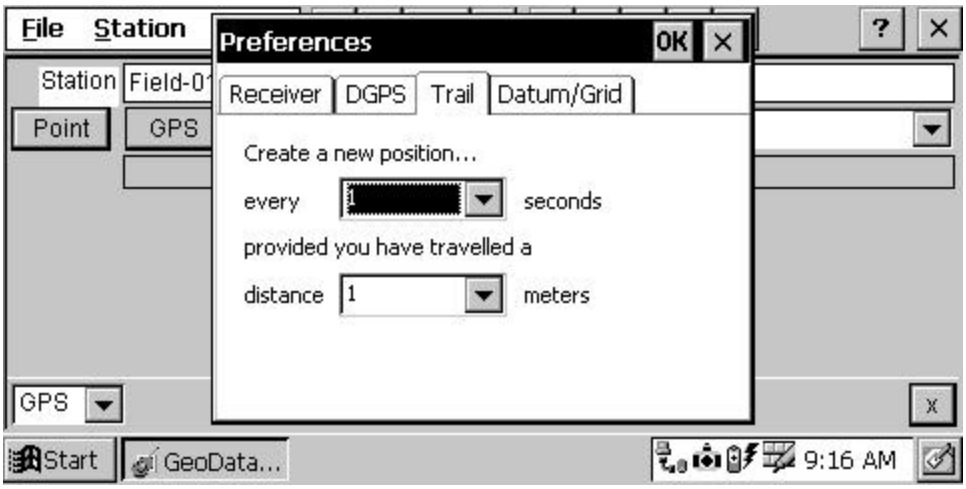
Average of All Points: *Improves accuracy by averaging all readings taken from open to close of a GPS connection.*

Average from Display: *Review a scatter diagram of GPS readings so that outliers can be eliminated before an average is taken.*

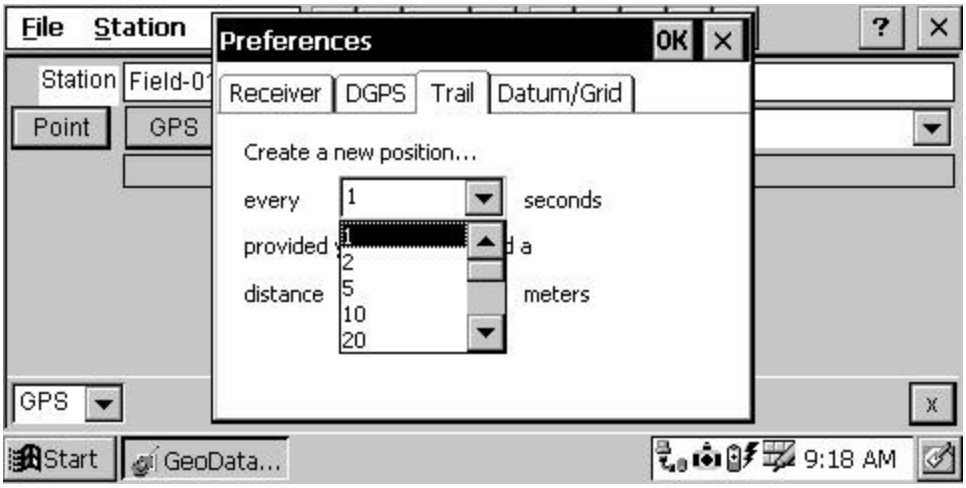
Save GPS Data: *Saves NMEA sentences during a GPS connection.*

Automatic Trail: *User sets time and distance intervals for taking automatic readings.*

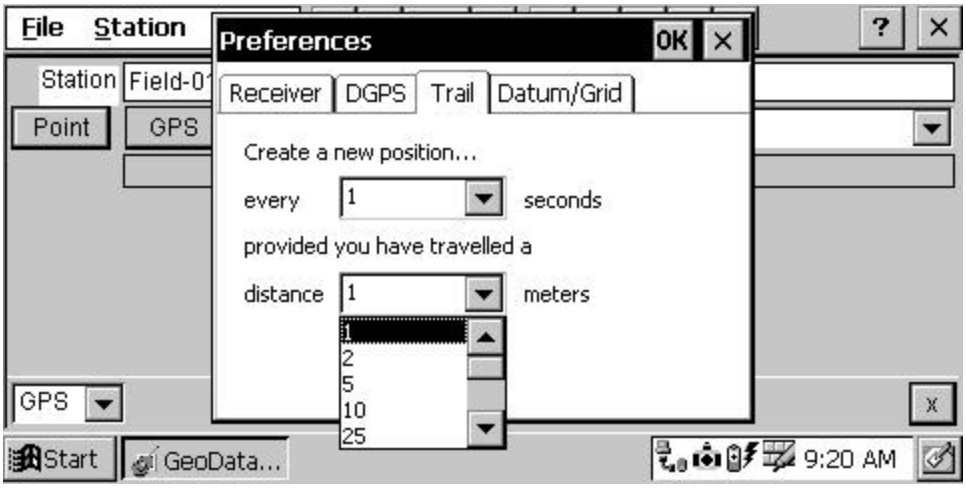
To set the Automatic Trail intervals select File>Preferences and choose Trail.



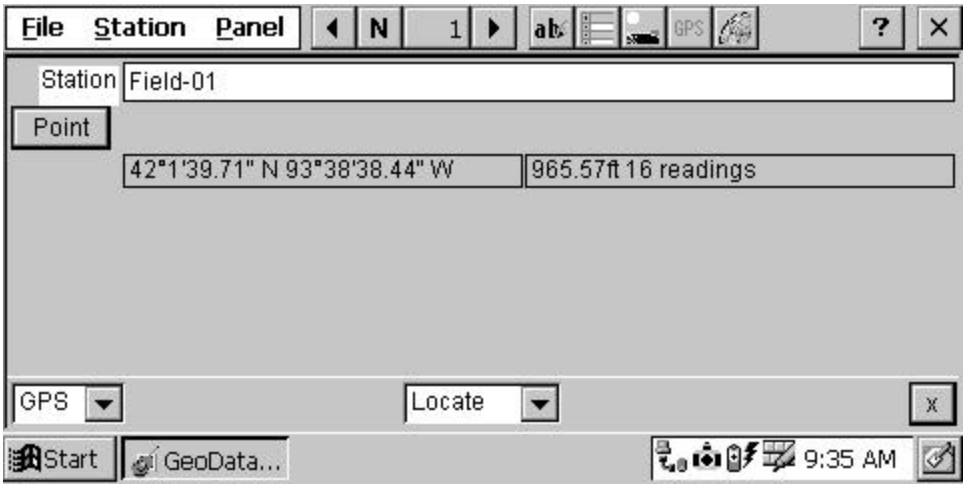
Choose a time interval from the "every seconds" menu.



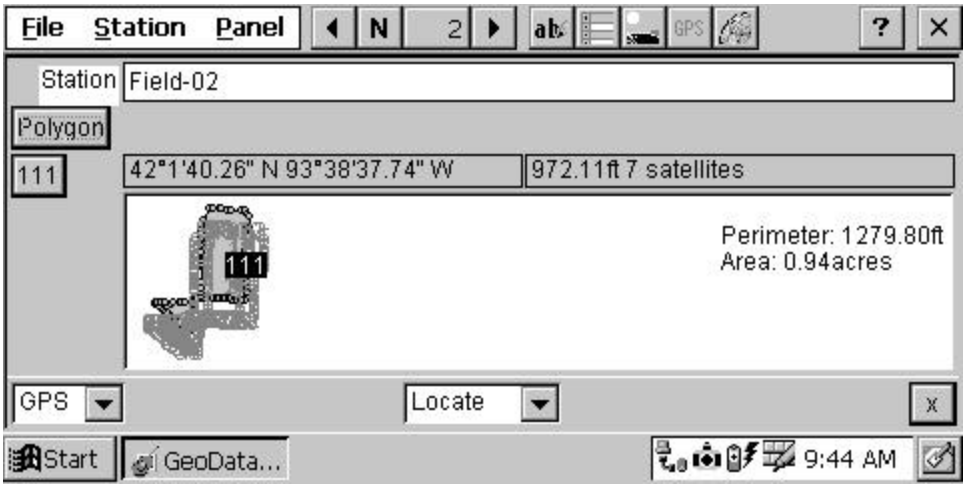
Choose a distance interval from the "distance" menu then "OK".



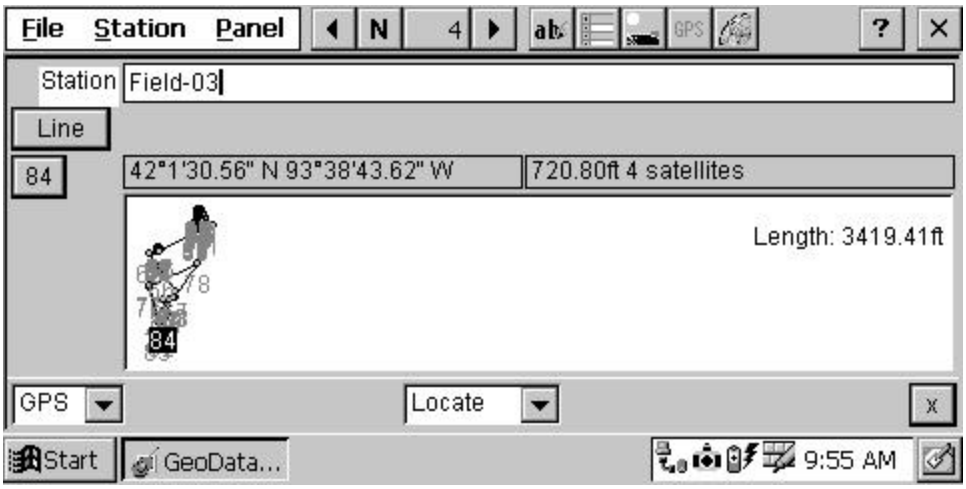
7) Tap the "GPS" icon to start a GPS connection; coordinate information will appear. Tap the GPS icon to complete (point features).



To end GPS collection for polygon features tap the GPS icon then Polygon>complete; perimeter length, acres, and map will appear.



To end GPS collection for line features tap the GPS icon then Line>complete; feature length and map will appear.



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